

IN THE CLAIMS:

Claims 1-13, 15-19, 21-24, 26, and 27 were previously cancelled. None of the claims have been amended herein. All of the pending claims are presented below for convenience of the Examiner. This listing of claims will replace all prior versions and listings of claims in the application. Please enter these claims as previously amended.

1.-13. (Cancelled)

14. (Previously presented) A method of insulating a rocket motor comprising:
producing an insulation material comprising a low-density ethylene propylene diene monomer polymer, at least one flame retardant, sulfur, polyvinylchloride fibers having a density of 1.38 g/cc, and at least one additive selected from the group consisting of at least one antioxidant, at least one cure accelerator, at least one cure activator, at least one tackifier, and at least one plasticizer; and
applying the insulation material to an inner surface of a case of a rocket motor.

15.-19. (Cancelled)

20. (Original) The method of claim 14, further comprising:
curing the insulation material to form an insulation layer positioned between the inner surface of the case of the rocket motor and a propellant.

21.-24. (Cancelled)

25. (Previously presented) A rocket motor, comprising:
an insulation material disposed between an inner surface of a case of a rocket motor and a
propellant, the insulation material comprising a low-density ethylene propylene diene
monomer polymer, at least one flame retardant, sulfur, polyvinyl chloride fibers having a
density of 1.38 g/cc, and at least one additive selected from the group consisting of at
least one antioxidant, at least one cure accelerator, at least one cure activator, at least one
tackifier, and at least one plasticizer.
26. (Cancelled)
27. (Cancelled)
28. (Previously presented) The rocket motor of claim 25, wherein the polyvinyl
chloride fibers are dispersed randomly in the insulation material.
29. (Previously presented) The rocket motor of claim 25, further comprising carbon
fibers.